

Abstract

A modified high-brightness flat lamp structure comprises a reflecting plate, a plurality of UV light sources and a transparent substrate. The reflecting plate has titanium dioxide and macromolecular polymer coated thereon. The transparent substrate has macromolecular polymer and fluorescent powder coated thereon. The UV light sources are arranged in the reflecting plate. The transparent substrate covers the reflecting plate. UV light emitted by the UV light sources and reflected by the reflecting plate will thus excite the fluorescent powder layer to radiate high-brightness visible light.